

THIRD-ORDER LEVELING
SEA LEVEL DATUM OF 1929

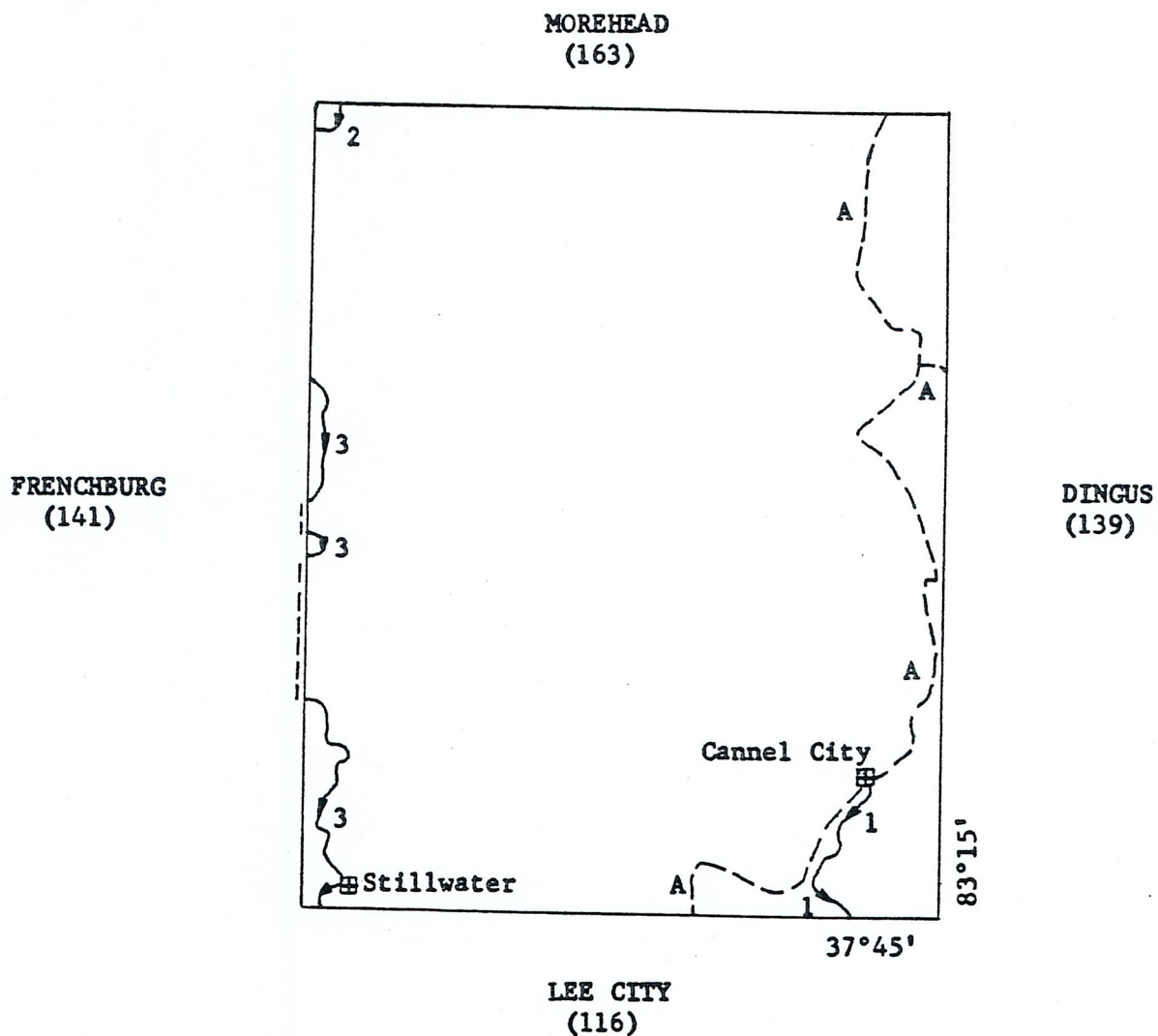
UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

37-083-14
CANNEL CITY QUADRANGLE
140 KENTUCKY
N3745-W8315/15
DIAGRAM NJ 17-7
JENKINS

Final adjustment of 1953

Edition of 10/30/73

PR: LFB/ale



NGS (USC&GS) VERTICAL CONTROL DATA

A. Quadrangle 370831

140 KENTUCKY
CANNEL CITY QUADRANGLE

37-083-14
N3745-W8315/15

INDEX OF PERMANENT MARKS

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1949

LINE 1.

Feet

By J. D. Nikolaus, 1949; Book AV 106

"M 11 1928 887.173" (NGS) 886.970

U.E., on E. side of rd.; about 130 ft E. of NE. corner of house; 90 ft NE. of small wooden bridge; in base on SW. side of power pole; rail spike 939.57

U.E., on E. side of rd.; in base on W. side of power pole; rail spike 979.29

U.E., on N. side of rd.; 65 ft NW. of NW. corner of frame house; 4 ft NW. of NW. corner of small wooden bridge; in large flat outcrop of rock; chiseled square 1016.30

U.E., on N. side of rd.; 75 ft N. and 12 ft E. of intersection of hwy. and Y-rd. NE.; on N. end of concrete culvert headwall; chiseled square 1048.40

Adele; 500 ft SE. of rd. junction; in NW. corner of Church of God church yard; 26 ft SW. of centerline of rd.; 13.2 ft W. of NW. corner of church; 2 ft E. of fenceline; in concrete post; standard tablet stamped "13 JDN 1949 1002" 1002.413

Reference mark; 60 ft N. of tablet; 3 ft NE. of fenceline; 20 ft NE. of corner fence post; in base on N. side of power pole; rail spike 1001.71

U.E., on N. side of rd.; at NW. end of small concrete drain-pipe at foot of stone steps leading to farmhouse; 180 ft W. of intersection of rd. and T-rd. N.; chiseled square 1043.26

U.E., on N. side of rd.; on crest of hill at E. end of deep cut; on large ledge outcrop; chiseled square 1083.24

LINE 2.

By R. H. Paine, 1949; Book AV 112

U.E., on curve; 15 ft E. of rd.; on E. end of tile culvert; chiseled square 726.26

U.E., at Y-rd. fork; 22 ft NE. of N. point of triangle; on E. end of tile culvert; chiseled square 728.15

LINE 2 (Cont'd.)Feet

Scranton School, 0.25 mi E. to Y-rd., thence 0.1 mi S. along Y-rd.;
16 ft E. of centerline of rd.; set vertically in limestone bluff;
standard tablet stamped "TT 1 TWC 1949 784" (Reported
destroyed, 1975) 784.138

LINE 3.

By R. H. Paine, 1949; Book AV 112

U.E., Wellington, 1.2 mi SE. of post office, along U. S.
Highway 460; on N. end of W. stone headwall of culvert;
chiseled square 1089.54

Wellington, 1.5 mi SE. of post office, along U. S. Highway
460; 14 ft NE. of hwy.; 50 ft SE. of T-rd. fork; in top
of N. end of NE. rail wall of concrete bridge over Broke
Leg Creek; standard tablet stamped "TT 6 TWC 1949 996" 995.760

Reference mark; 40 ft SSE. of tablet; 80 ft SE. of T-rd. fork;
15 ft SSW. of U. S. Highway 460; on SW. end of SE. stone
abutment of concrete bridge; chiseled square 992.56

U.E., Wellington, 1.5 mi SE. of post office, along U. S. Highway
460, thence about 300 ft SE. of T-rd. fork; on NE. side of
rd.; in E. corner of wooden bridge; copper nail and washer 1007.61

U.E., Wellington, 1.5 mi SE. of post office, along U. S. High-
way 460, thence 1.3 mi S. along rd.; on NW. side of rd.; 95 ft
SW. of lane SE. to house; 23 ft NE. of lane NW. to house; in
NW. side of wooden bridge; copper nail and washer 1037.11

U.E., Wellington, 1.5 mi SE. of post office, along U. S. High-
way 460, thence 1.4 mi S. along rd.; on SW. side of rd.; on
SW. stone headwall of culvert; chiseled square 1026.10

Wellington, 1.5 mi SE. of post office, along U. S. Highway 460,
thence 1.9 mi SW. along Broke Leg Creek Road; 15 ft W. of
centerline of rd.; 50 ft SE. of old store building; 2 ft E.
of wire fence; in concrete post; standard tablet stamped
"TT 7 TWC 1949 993" (Not found, 1975) 992.644

Reference mark; 78 ft N. of tablet; 13 ft W. of rd.; in root
on E. side of 12-in. white oak tree; copper nail and washer 993.40

U.E., Wellington; 1.5 mi SE. of, along U. S. Highway 460, thence
2.2 mi SW. along rd.; 45 ft NE. of Y-rd. fork; on SE. side of
rd.; on top of boulder; chiseled square 940.65

/Jogs into Frenchburg quadrangle

LINE 3 (Cont'd.)Feet

Stoll, 180 ft E. of post office; 95 ft SE. of Y-rd. fork;
18 ft E. of wooden bridge over small stream; 11 ft W. of
30-in. white oak tree; in concrete post; standard tablet
stamped "TT 8 TWC 1949 970" (Reported not found, 1963) 970.129

Reference mark; 43 ft W. of tablet; 29 ft NW. of NW. corner
of wooden bridge; 13 ft SW. of rd.; in root on W. side of
double trunked 8-in. hickory tree; copper nail and washer 970.68

/Jogs into Frenchburg quadrangle/

Valeria, 0.6 mi SE. of post office, along dirt rd. to cross
trails, thence 0.3 mi SE. up mountain trail; 15 ft N. of
centerline of rd.; 3.5 ft N. of barbed wire fence; on
highest point on NW. end of ridge; in concrete post;
standard tablet stamped "TT 13 TWC 1949 1124" 1123.560

Reference mark; 105 ft SSE. of tablet; 9 ft NE. of rd.;
in fenceline; in root on W. side of 12-in. hickory tree;
copper nail and washer 1118.87

U.E., Valeria, 2.4 mi SE. of post office; at steel girder bridge
over Red River; at NE. end of NW. stone pier; on stone
bridge seat; chiseled square 860.33

U.E., Gosneyville, 0.3 mi N. of post office, along rd.; at top
of steep hill; at N. end of passable rd.; 6 ft W. of rd.;
40 ft E. of SE. corner of house; on boulder; chiseled
square 958.99

Gosneyville; 30 ft NW. of gate entrance to post office; 15 ft
W. of centerline of rd.; 8.5 ft NE. of gatepost; in concrete
post; standard tablet stamped "TT 14 TWC 1949 970"
(Reported not found, 1963) 969.612

Reference mark; 27 ft ESE. of tablet; 11 ft E. of rd.; on N.
side of lane E. to Gosneyville Post Office; in base of N.
gatepost; rail spike 966.52

Stillwater, 2.0 mi N. of post office, along abandoned logging
rd.; 11 ft N. of centerline of rd.; 18 ft E. of triple
white oak tree; 1 ft N. of wire fence; in concrete post;
standard tablet stamped "TT 15 TWC 1949 1064" 1063.939

Reference mark; 17 ft WNW. of tablet; 14 ft N. of rd.; in base
on E. side of 38-in. forked white oak tree; rail spike 1064.57 -

LINE 3 (Cont'd.)Feet

U.E., Stillwater, 1.8 mi N. of post office, along abandoned logging rd.; 6 ft S. of trail; on W. end of 7- by 15-ft sandstone boulder; chiseled square	980.00
U.E., Stillwater, 1.0 mi N. of post office, along abandoned logging rd.; 7 ft NE. of trail; on rock outcrop; chiseled square	1012.95
U.E., Stillwater, 0.4 mi N. of post office, along abandoned logging rd.; at right-angle turn (rd. N. and E.); 12 ft NE. of traveled part of rd.; on rock ledge; chiseled square	1001.57
Stillwater, 260 ft W. of post office, along State Highway 15; in NE. end of concrete bridge over Stillwater Creek; standard tablet stamped "TT 16 TWC 1949 914"	913.808
Reference mark; 250 ft SW. of tablet; 45 ft SE. of State Highway 15; 112 ft SW. of SW. corner of concrete bridge; in NW. side of 12-in. apple tree; rail spike	918.67
U.E., Stillwater, 0.6 mi SW. of post office, along rd.; 13 ft NW. along State Highway 1812; on SW. end of NW. concrete headwall of culvert; chiseled square	919.64

HORIZONTAL CONTROL
NORTH AMERICAN DATUM OF 1927

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

37-083-14
CANNEl CITY QUADRANGLE
140 KENTUCKY
N3745-W8315/15
DIAGRAM NJ 17-7
JENKINS

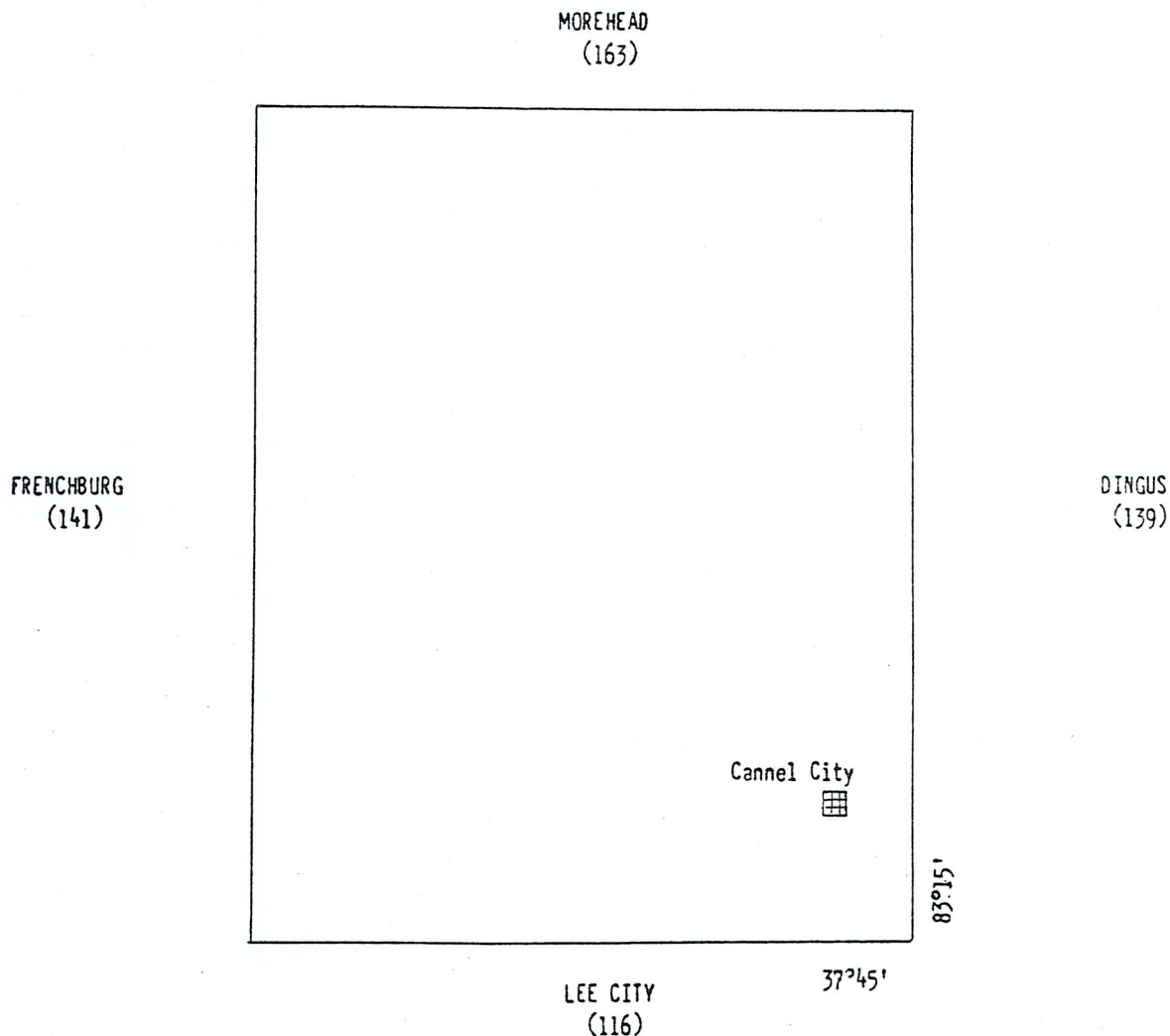
Elliott, Magoffin, Menifee, Morgan,
and Wolfe Counties

Edition of 10/15/76

PR: CRV/rmm

Plane coordinates are based on Lambert
projection, Kentucky, North and South Zones

Only the permanent marks are
listed for control classified
obsolete and are not shown on
sketch



DISCLAIMER

We no longer attest to the validity of the positions listed for horizontal control established by transit traverse procedures. This control is now considered OBSOLETE and is included in this list for the purpose of identification only.

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 <u>NGS</u>	
K 11 1928 813.637	4
L 11 1928 840.648	5
M 11 1928 887.173	5
J 90 1935 845.264	4
L 90 1935 768.135	4
N 90 1935 929.923	4
Q 90 1935 1021.960	4
S 90 1935 777.827	4

STATION	DESCRIPTION	LATITUDE	LONGITUDE
PLANE COORDINATES, FEET		° ' "	° ' "

The following positions are considered OBSOLETE. To be used only to locate permanent marks in the field.

By T. W. Cayce, 1949; Book AH 142

Scranton School, 0.25 mi E. to Y-rd., thence 0.1 mi S. along Y-rd.; 16 ft E. of centerline of rd.; set vertically in limestone bluff; standard tablet stamped "TT 1 TWC 1949 784" (Reported destroyed, 1975)

Ky. N.)	X = 2,217,164	Y = 180,390	37 59 34.54	83 29 47.28
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Wellington, 1.5 mi SE. of post office, along U. S. Highway 460; 14 ft NE. of centerline of hwy.; 50 ft SE. of junction of T-rd. SW.; in N. end of NE. rail wall of concrete bridge over Broke Leg Creek; standard tablet stamped "TT 6 TWC 1949 996"

	X = 2,218,531	Y = 148,806	37 54 22.20	83 29 33.45
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Wellington, 1.5 mi SE. of post office, along U. S. Highway 460, thence 1.9 mi SW. along Broke Leg Creek Road; 15 ft W. of centerline of rd.; 50 ft SE. of old store building; 2 ft E. of wire fence; in concrete post; standard tablet stamped "TT 7 TWC 1949 993" (Not found, 1975)

	X = 2,217,280	Y = 140,403	37 52 59.24	83 29 49.92
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Stoll, 180 ft E. of post office; 95 ft SE. of junction of Y-rd.; 18 ft E. of center of wooden bridge over small stream; 11 ft W. of 30-in. white oak tree; in concrete post; standard tablet stamped "TT 8 TWC 1949 970" (Not found, 1963)

	X = 2,217,273	Y = 132,842	37 51 44.49	83 29 50.78
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Valeria, 0.6 mi SE. of post office, along dirt rd. to cross trail, thence 0.3 mi SE. up mountain trail; 15 ft N. of centerline of rd.; 3.5 ft N. of barbed wire fence; on highest point of NW. end of ridge; in concrete post; standard tablet stamped "TT 13 TWC 1949 1124"

	X = 2,216,876	Y = 116,231	37 49 00.31	83 29 57.40
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Gosneyville; 30 ft NW. of gate entrance to post office; 15 ft W. of centerline of rd.; 8.5 ft NE. of gatepost; in concrete post; standard tablet stamped "TT 14 TWC 1949 970" (Not found, 1963)

	X = 2,220,306	Y = 107,875	37 47 37.43	83 29 15.54
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Stillwater, 2.0 mi N. of post office, along abandoned logging rd.; 11 ft N. of centerline of rd.; 18 ft E. of triple white oak tree; 1 ft N. of wire fence; in concrete post; standard tablet stamped "TT 15 TWC 1949 1064"

	X = 2,219,427	Y = 100,451	37 46 24.11	83 29 27.24
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Stillwater; 260 ft W. of post office, along State Highway 15; in NE. end of concrete bridge over Stillwater Creek; standard tablet stamped "TT 16 TWC 1949 914"

	X = 2,220,771	Y = 94,418	37 45 24.34	83 29 11.12
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STATION DESCRIPTION
PLANE COORDINATES, FEET

LATITUDE
° ' "

LONGITUDE
° ' "

OBSOLETE MARKS (Cont'd.)

Wrigley, 2.2 mi S. of post office, along State Highway 7; 14 ft N. of centerline of hwy.; 145 ft S. of log house; 12 ft W. of drive to house; in E. end of N. concrete headwall of culvert; NGS standard disk stamped "J 90 1935 845.264"

Ky. N.) X = 2,280,856 Y = 180,363 37 59 28.37 83 16 31.72

West Liberty, 4.4 mi NW. of courthouse along State Highway 7; 60 ft SE. of centerline of hwy. at junction of rd. SE.; 14 ft E. of centerline of rd.; in N. end of E. concrete headwall of culvert over small stream; standard tablet stamped "T 11 TWC 1949"

X = 2,279,276 Y = 170,274 37 57 48.80 83 16 52.79

West Liberty, 2.7 mi NW. of courthouse, along State Highway 7; at concrete bridge over Elk Fork; 12 ft S. of centerline of hwy.; in S. end of E. abutment; NGS standard disk stamped "L 90 1935 768.135"

X = 2,278,891 Y = 162,659 37 56 33.59 83 16 58.62

West Liberty; at W. entrance to county courthouse; 6 ft S. of S. end of steps; 49 ft E. of centerline of Main Street; set vertically in steps; NGS standard disk stamped "N 90 1935 929.923"

X = 2,285,564 Y = 154,609 37 55 13.28 83 15 36.38

West Liberty, 1.4 mi S. of courthouse, along U. S. Highway 460; 29 ft E. of, and 1 ft higher than centerline of hwy.; 8 ft W. of fenceline; in concrete post; NGS standard disk stamped "Q 90 1935 1021.960"

X = 2,282,759 Y = 149,885 37 54 26.88 83 16 12.01

Index; 28 ft E. of centerline of U. S. Highway 460 at junction of State Highway 191; 36 ft N. of NW. corner of store; 4 ft W. of board fence; in concrete post; NGS standard disk stamped "S 90 1935 777.827"

X = 2,278,504 Y = 146,389 37 53 52.79 83 17 05.55

Malone; 310 ft NW. of post office, along State Highway 191; 12 ft SW. of centerline of hwy.; in NW. end of SW. concrete headwall of culvert over drain; standard tablet stamped "T 12 TWC 1949"

X = 2,286,224 Y = 137,048 37 52 19.62 83 15 30.50

Malone, 1.8 mi S. of, along State Highway 191; 10 ft E. of centerline of hwy.; in S. end of E. concrete headwall of culvert; NGS standard disk stamped "K 11 1928 813.637"

X = 2,286,115 Y = 129,701 37 51 07.00 83 15 32.85

140 KENTUCKY
CANDEL CITY QUADRANGLE

37-083-14

5

STATION DESCRIPTION
PLANE COORDINATES, FEET

LATITUDE
° ' "

LONGITUDE
° ' "

OBSOLETE MARKS (Cont'd.)

Candel City, 2.5 mi NE. of, along State Highway 191; in SW. end of bridge over Caney Creek; NGS standard disk stamped "L 11 1928 840.648"

X = 2,287,204

Y = 118,318

37 49 14.36

83 15 20.79

Candel City; at old site of Morgan County National Bank; at NE. corner of old foundation; in W. end of fourth step; NGS standard disk stamped "M 11 1928 887.173"

X = 2,282,385

Y = 106,865

37 47 21.66

83 16 22.36

Adele; 500 ft SE. of rd. junction; in NW. corner of Church of God church yard; 26 ft SW. of centerline of rd.; 13.2 ft W. of NW. corner of church; 2 ft E. of fenceline; in concrete post; standard tablet stamped "13 JDN 1949 1002" (Reported destroyed, 1965)

X = 2,274,572

Y = 94,606

37 45 21.27

83 18 01.25